

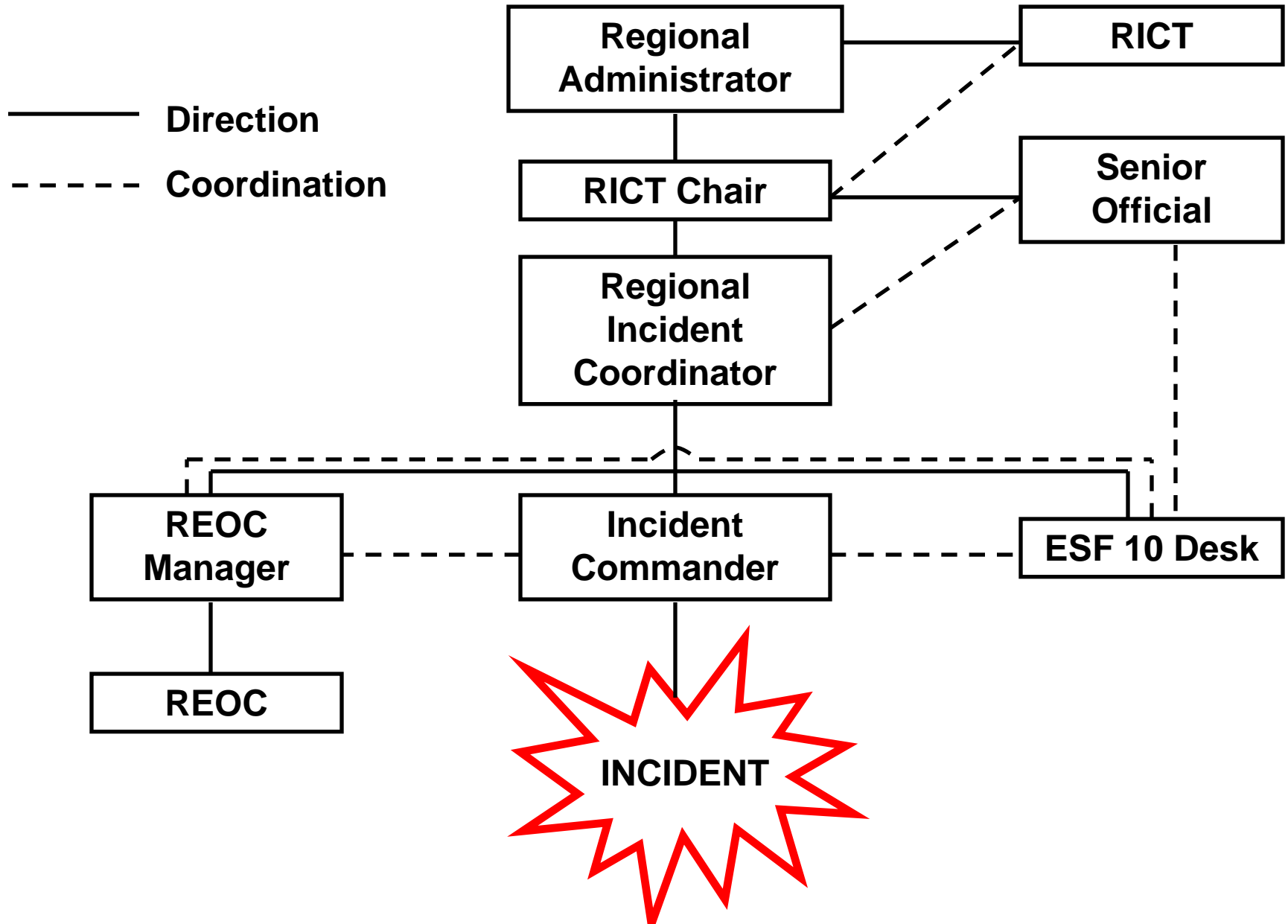


# Deepwater Horizon Incident

## 5/10/2010



# Region 6 Incident Management Structure



# Incident Objectives



1. Incident Name	2. Operational Period (Date/ Time)	INCIDENT OBJECTIVES
Deepwater Horizon Incident	From: 05/08/2010 07:00 To: 05/10/2010 19:00	ICS 202 - EPA
3. Incident Objective(s)		
<ul style="list-style-type: none"><li>• Ensure the safety of responders.</li><li>• Determine nature and extent of environmental impacts due to the oil spil</li><li>• Maintain situational awareness to support field operations and inform management</li><li>• Maintain operational consistency across theater of operation</li><li>• Monitor and control costs</li><li>• Conduct oversight and monitoring of potentially responsible party's assessment and clean-up activities</li></ul>		
4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions)		
<ul style="list-style-type: none"><li>• Finalize and implement documentation plan.</li><li>• Track high priority action items.</li></ul>		

# Incident Command Post



- BP is requesting approval to proceed with the use of methanol inside the cofferdam to remove hydrate deposition. BP is requesting NPDES permit variances to initiate this process.
- BP is requesting Region 6 RRT approval to release decanted water from its oil recovery operation.
- EPA is coordinating with BP and its contractor CTEH for the sharing of information including final EPA sampling plans and access to the planned BP/CTEH GIS server which will be a repository for operational data.
- EPA coordinated with DOI and OSHA to share information including SCRIBE access.
- EPA coordinated with the USCG to ensure the inclusion of the correct SOW attachments to the PRFA amendment.
- Forwarded request from USCG for approval to utilize substitute dispersant.
- Coordinated with ASPECT regarding tomorrow's overflight of subsurface anomaly.

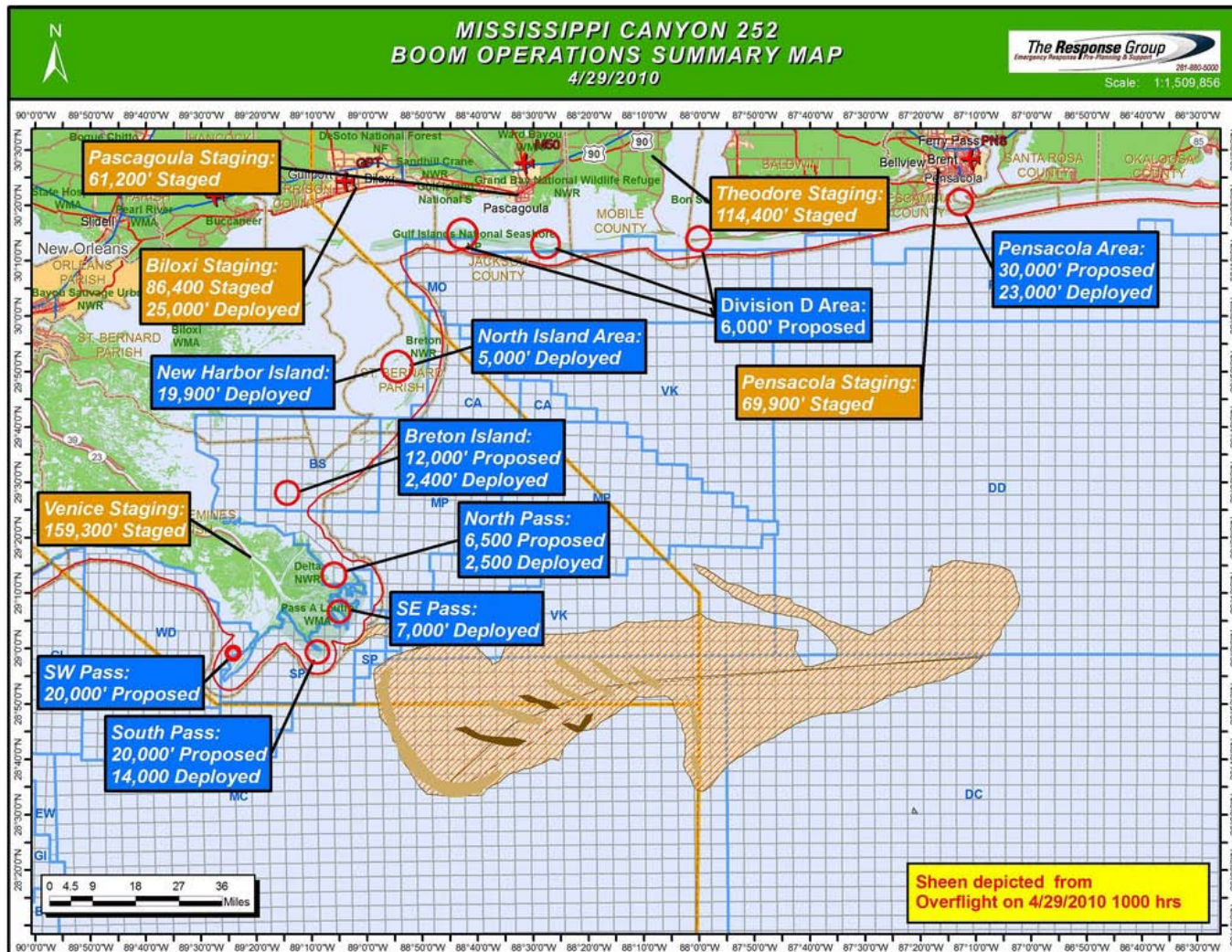
# Area Command Post



- The Area Command Environmental Unit leadership met this morning to discuss overall strategies for monitoring subsurface dispersed oil plumes. They are preparing a plan that will support all identified EPA requirements while remaining flexible enough to accommodate the extremely fluid nature of the subsurface operational plans. Their plan will address an "efficacy test" which has previously been identified as "Test 3", but will also include a strategy for transitioning into support of potential longer term applications. There has not been a specific proposal for subsea dispersant application at this time.
- The research vessel Brooks / McCall is in the process of deploying to the injection site, with personnel and equipment that can support the subsea dispersant monitoring plan. The crew includes NOAA and EPA staff, and BP and EPA contractors. A communications plan for coordinating the activities and findings of the vessel is being developed at Area Command. The research vessel may be used to conduct analyses beyond the capabilities of SMART teams in support of the efficacy test.



# Boom Locations & Quantity



# Air monitoring



- Air monitoring for particulates and VOCs is ongoing at the following locations:
  - V02 - located at USCG - Venice - 29.25274 N., 89.35750 W (ongoing);
  - V03 - located at Welding Supply Co. in Boothville, LA - 29.31449 N., 89.38433 W (ongoing);
  - V05 - 29.35699 N, 89.45487 W (Activated at approx. 0805 5/5; ongoing monitoring)
  - C02 - Poydras, LA – 29.86609, -89.89108 - located at Fire Station number 8;
  - C03 - Hopedale, LA – 29.82209, -89.60862 - located at the Emergency Operations.
  - C04 - Chalmette, LA – 29.86609, -90.00132 - located at fire station at Aycock St

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/8
Venice	3 locs/24-hr	3 locs/24-hr	9	3	12
Chalmette	2 locs/24-hr	3 locs/24-hr	6	3	6
<b>TOTAL TO DATE</b>	6 locs/24-hr	6 locs/24-hr	119	48	

\*QAQC samples not included in sample count



# Air Monitoring





# Water & Sediment Sampling



- EPA continues to take surface water and sediment samples from multiple locations.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- On 5/8/10 Chalmette operations collected water and sediment samples from Terrebone Bay (S. Terrebone Parish). No oiled wildlife observations and no oil or odors were detected.
- On 5/8/10 Venice collected sample media (water and sediment from in and around the Mississippi River Delta.

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/8
Venice	4	4	8
Chalmette	3	3	6
TOTAL TO DATE	49	42	

# Sampling Map



## Legend

- ★ Asset Location
- ✱ Air
- Sediment
- Surface Water

Observed Oiling 5/8/2010 23:51 (18:51 CDT) Detailed  
Observed Oiling 5/8/2010 23:58 (18:58 CDT)



0 5 10 20  
Miles



**US EPA REGION 6**  
**START-3**  
(For Official Use Only)

## Sampling Locations Map

Date Created:  
5/9/2010

DCN:  
P560

SCALE:

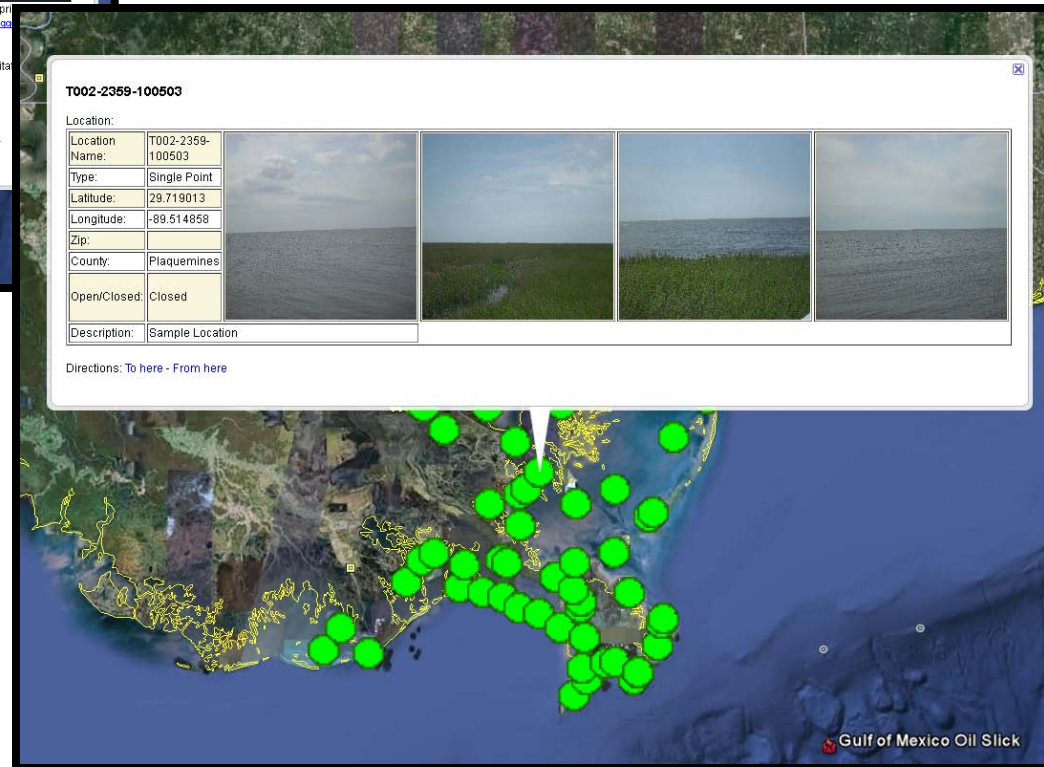
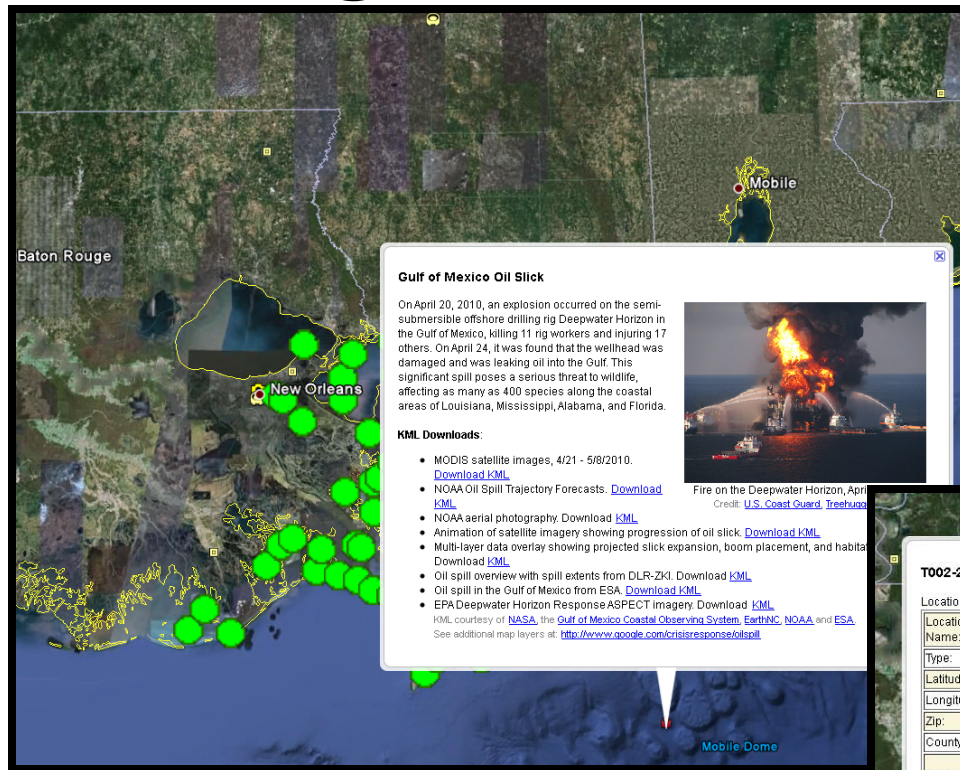
# Aspect & TAGA Monitoring



- TAGA 1553 continues to perform mobile monitoring for (BTEX) Southeastern LA – Slidell to Venice. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources
- ASPECT conducted one flight on 5/8 and collected data on a possible oil mass west of the delta. ASPECT flew an extended line from 29.01N, 90.2167W to 28.9395N, 89.9418W. No oil was observed in visible or InfraRed imager. InfraRed analysis did show what appears to be a shoreline/depth effect near the shore.
- On 5/9, ASPECT crew is reporting oil at 30.142N, 89.04W and oil with what appears to be floating clumps at 28.830N, 89.223W. ASPECT is currently collecting high alt images over the site. They are seeing no oil burning operations or dispersant operations.



# Google Earth KML File – Samp Locs





# Sampling Timeline



= The day the data is published to SCRIBE as validated final data and accessible to EPA HQ

<b><u>Sample Type (1)</u></b>	Samples Collected and Shipped (4)	Samples Arrive at lab	Preliminary Results Received from lab		Validated Results Received from Data Validators	Data Loaded and Published in SCRIBE
Air Sampling						★
Sediment Sampling						★
Water Sampling						★
LDEQ Air Sampling (2)						★
	Day 0 (3)	Day 1	Day 2	Day 3	Day 4	12:00 p.m. Day 5

- (1) Assumes all samples are 24 hour turn around from Labs
- (2) This timeline is from when EPA START receives custody of samples
- (3) The day the data is collected from the field, Air samples are shipped in batches as they are collected
- (4) All Samples collected on Sunday will be shipped on Monday

<b><u>Monitoring Instrument</u></b>	Data downloaded from Monitoring Instruments	Data loaded and published to SCRIBE
Data Ram (Particulaes)		★
Area Rae (VOC's)		★
Multi Rae (VOC's)		★
	12:00 a.m. – 12:00 a.m. Day 0*	12:00 p.m. Day 1

\* Any monitoring readings for VOC's above 10 ppm will be immediately reported to Incident Command



# EPA Assets

- **Activated in Dallas, TX**
  - REOC is activated
  - SRICT activated
  - RRT activated
- **Deployed Personnel**

## Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
<b>EPA</b>								
- OSC	3	1		1		1		6
- RSC	5		1	1				7
- PIO			3					3
- Other	3		2	1	1	1		8
<b>START</b>	5	16				13		34
<b>ERT Contractor</b>		1						1
<b>TAGA Personnel</b>							5	5
<b>ASPECT Personnel</b>							4	4
<b>Other</b>								
<b>TOTALS</b>	16	18	6	3	1	15	9	68

# EPA Assets



- Deployed Equipment

## Deployed Equipment

Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

# Oil Trajectory Map

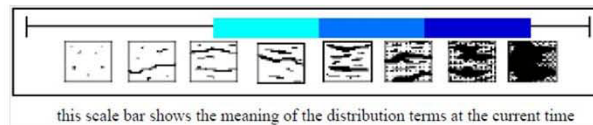
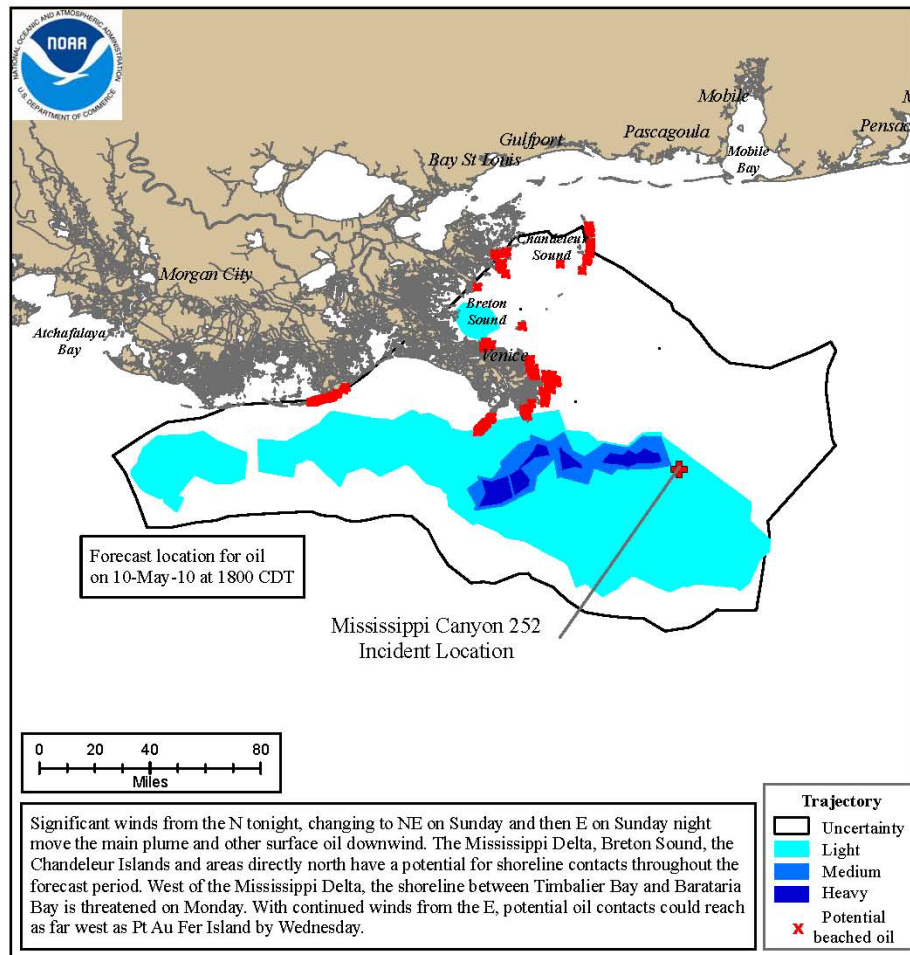
## Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Monday, 5/10/10

Date Prepared: 2100 CDT, Saturday, 5/08/10

This forecast is based on the NWS spot forecast from Saturday, May 8th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from satellite imagery, analysis provided by NOAA/NESDIS obtained Saturday morning, and Friday/Saturday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Next  
Forecast:  
May 9th PM



# Deepwater Horizon Images



Before explosion

Day after the explosion

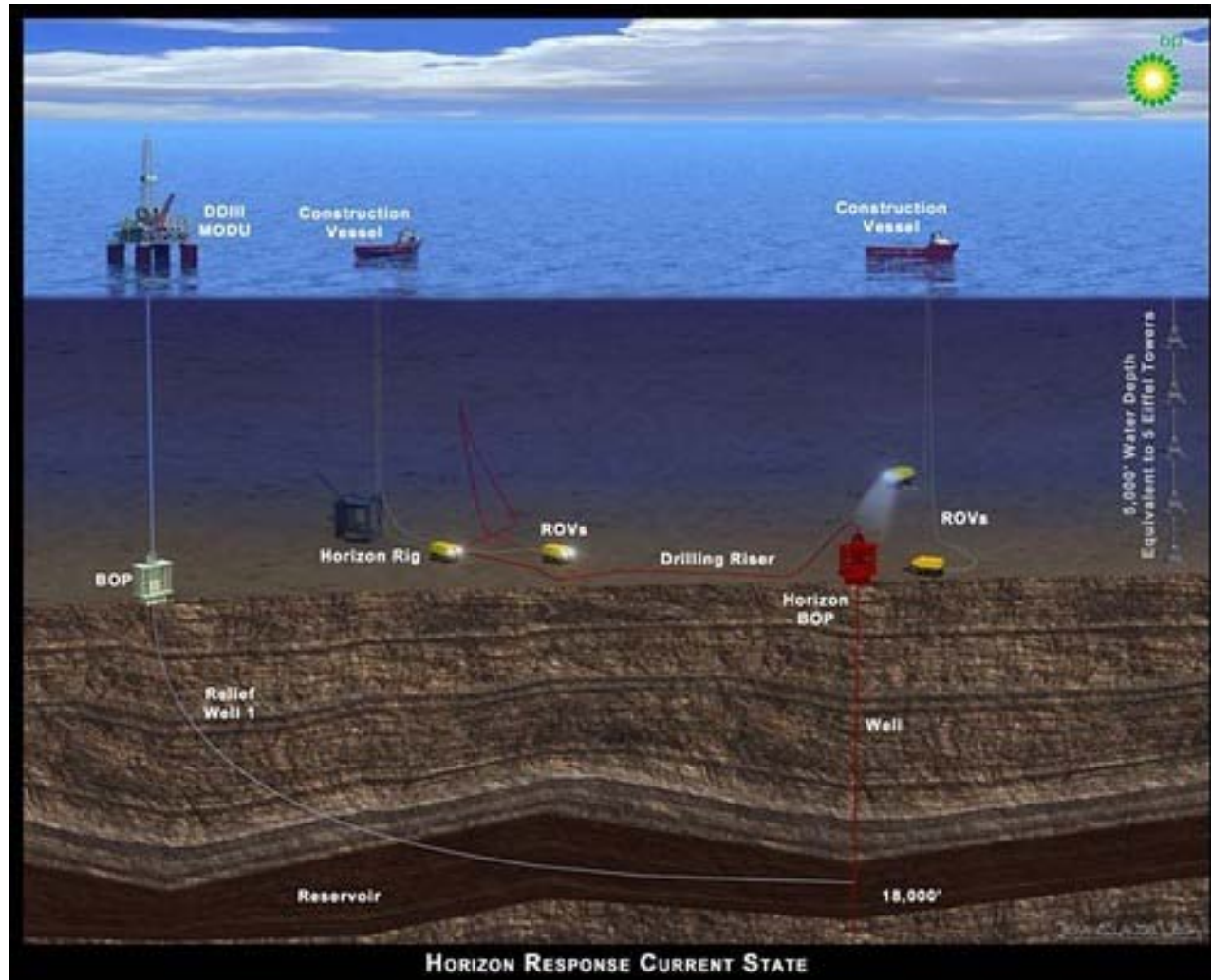


# Deepwater Horizon Images



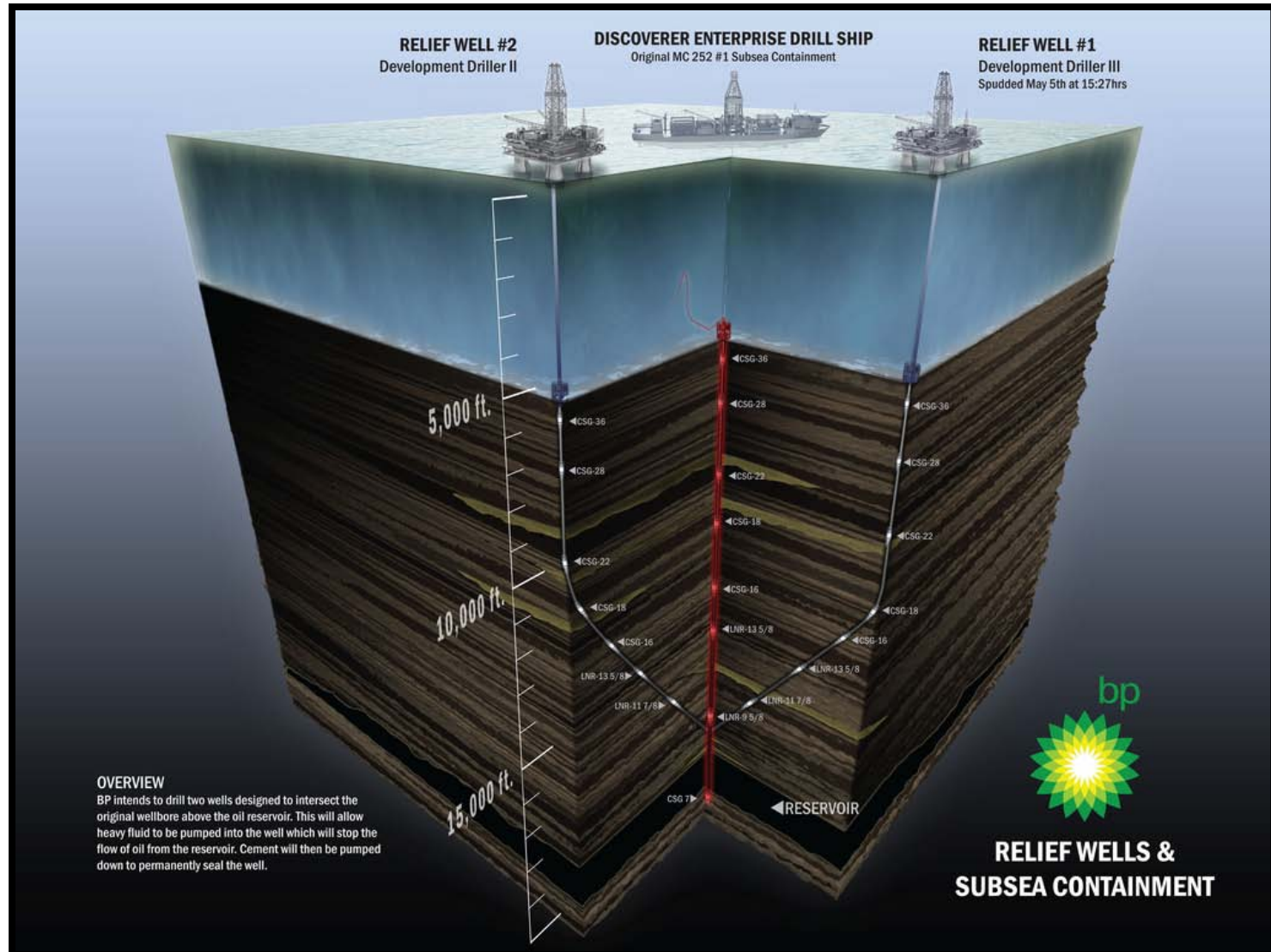
22 17:20

# Deepwater Horizon Images





# Deepwater Horizon Images





# In situ Burn



# Venice Command Post



# ASPECT Video

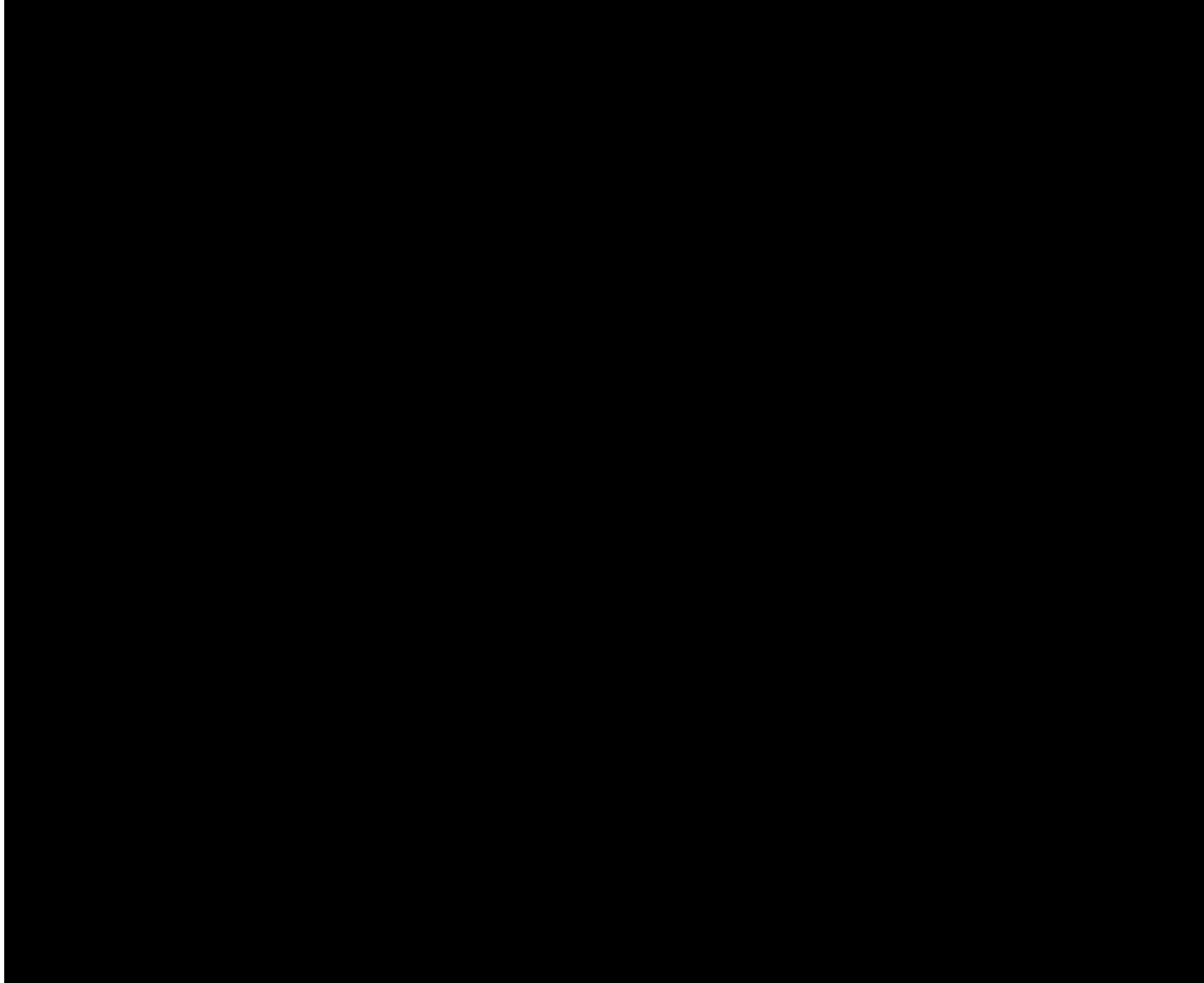


# ASPECT Photos





# Subsea Dispersant Feed



# Subsea Dispersant Feed

